



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : William A. Shull et al.

Art Unit : 2877

Serial No. : 09/305,808

Examiner : Hoa T. Lee

Filed : April 28, 1999

Title : HELIUM-NEON LASER LIGHT SOURCE GENERATING TWO  
HARMONICALLY RELATED, SINGLE-FREQUENCY WAVELENGTHS FOR  
USE IN DISPLACEMENT AND DISPERSION MEASURING  
INTERFEROMETRYCommissioner for Patents  
Washington, D.C. 20231RECEIVED  
TECHNOLOGY CENTER 2800  
SEP 11 2002RESPONSE

In response to the action dated June 4, 2002, we submit the following remarks.

We acknowledge the Examiner's indication that claims 1-33 are allowed.

Of the remaining claims, claims 34-46, claims 34-37 are the independent claims. Among other features, independent claims 34 and 35 each recite "a Helium-Neon laser light source that generates two harmonically related, single frequency output beams" (emphasis added). Similarly, independent claims 36 and 37 each recite "providing two harmonically related, single-frequency output beams from a Helium-Neon laser light source" (emphasis added).

The action rejected independent claims 34-37 as obvious over Hill (U.S. 6,137,574) in view of Zorabedian (U.S. 5,732,095). The action concedes that "Hill does not show that the laser source is a Helium-Neon light source" (page 2 of the action), but claims to find this features in Zorabedian - "Zorabedian shows a Helium-Neon laser light source for producing two harmonically related, single frequency output beams" (page 2 of the action). We disagree.

We submit that Zorabedian does not show "a Helium-Neon laser light source that generates two harmonically related, single frequency output beams," as required by the rejected independent claims (emphasis added). The only mention of a Helium-Neon laser light source we

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